

Jared Borah

10/28/2019

CIS 310-02

Week 10 Assignment

9. SELECT COUNT(\*)

FROM INVOICE;

10. SELECT COUNT(\*)

FROM CUSTOMER

WHERE CUS\_BALANCE > 500;

11. SELECT INVOICE.CUS\_CODE, INVOICE.INV\_NUMBER, INVOICE.INV\_DATE, PRODUCT.P\_DESCRIPT,  
LINE.LINE\_UNITS, LINE.LINE\_PRICE

FROM CUSTOMER, INVOICE, LINE, PRODUCT

WHERE CUSTOMER.CUS\_CODE = INVOICE.CUS\_CODE

AND INVOICE.INV\_NUMBER = LINE.INV\_NUMBER

AND PRODUCT.P\_CODE = LINE.P\_CODE

ORDER BY INVOICE.CUS\_CODE, INVOICE.INV\_NUMBER, PRODUCT.P\_DESCRIPT;

12. SELECT INVOICE.CUS\_CODE, INVOICE.INV\_NUMBER, PRODUCT.P\_DESCRIPT, LINE.LINE\_UNITS AS  
'Units Bought', LINE.LINE\_PRICE AS 'Unit Price', LINE.LINE\_UNITS \* LINE.LINE\_PRICE AS Subtotal

FROM CUSTOMER, INVOICE, LINE, PRODUCT

WHERE CUSTOMER.CUS\_CODE = INVOICE.CUS\_CODE

AND INVOICE.INV\_NUMBER = LINE.INV\_NUMBER

AND PRODUCT.P\_CODE = LINE.P\_CODE

ORDER BY INVOICE.CUS\_CODE, INVOICE.INV\_NUMBER, PRODUCT.P\_DESCRIPT;

13. SELECT INVOICE.CUS\_CODE, CUSTOMER.CUS\_BALANCE,  
SUM(LINE.LINE\_UNITS\*LINE.LINE\_PRICE) AS 'Total Purchases'

FROM CUSTOMER, INVOICE, LINE

WHERE INVOICE.INV\_NUMBER = LINE.INV\_NUMBER

AND CUSTOMER.CUS\_CODE = INVOICE.CUS\_CODE

GROUP BY INVOICE.CUS\_CODE, CUSTOMER.CUS\_BALANCE;

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14.     SELECT INVOICE.CUS\_CODE, CUSTOMER.CUS\_BALANCE,  
          SUM(LINE.LINE\_UNITS\*LINE.LINE\_PRICE) AS 'Total Purchases', COUNT(\*) AS 'Number of  
          Purchases'  
  
          FROM CUSTOMER, INVOICE, LINE  
  
          WHERE INVOICE.INV\_NUMBER = LINE.INV\_NUMBER  
  
          AND CUSTOMER.CUS\_CODE = INVOICE.CUS\_CODE  
  
          GROUP BY INVOICE.CUS\_CODE, CUSTOMER.CUS\_BALANCE;
  
15.     SELECT INVOICE.CUS\_CODE, CUSTOMER.CUS\_BALANCE,  
          SUM(LINE.LINE\_UNITS\*LINE.LINE\_PRICE) AS 'Total Purchases', COUNT(\*) AS 'Number of  
          Purchases', AVG(LINE.LINE\_UNITS\*LINE.LINE\_PRICE) AS 'Average Purchase Amount'  
  
          FROM CUSTOMER, INVOICE, LINE  
  
          WHERE INVOICE.INV\_NUMBER = LINE.INV\_NUMBER  
  
          AND CUSTOMER.CUS\_CODE = INVOICE.CUS\_CODE  
  
          GROUP BY INVOICE.CUS\_CODE, CUSTOMER.CUS\_BALANCE;
  
16.     SELECT LINE.INV\_NUMBER, SUM(LINE.LINE\_UNITS\*LINE.LINE\_PRICE) AS 'Invoice Total'  
  
          FROM LINE  
  
          GROUP BY LINE.INV\_NUMBER;